

VIRGINIA
STANDARDS OF LEARNING ASSESSMENTS

Spring 2002 Released Test

GRADE 8
Computer/Technology

Property of the Virginia Department of Education

© 2002 by the Commonwealth of Virginia Department of Education, James Monroe Building, 101 N. 14th Street, Richmond, Virginia, 23219. All rights reserved. Except as permitted by law, this material may not be reproduced or used in any form or by any means, electronic or mechanical, including photocopying or recording, or by any information storage or retrieval system, without written permission from the copyright owner. Commonwealth of Virginia public school educators may photocopy or print any portion of these Released Tests for educational purposes without requesting permission. All others should direct their requests to the Commonwealth of Virginia Department of Education at (804) 225-2102, Division of Assessment and Reporting.

DIRECTIONS

Read each question and choose the best answer. Then mark the space in your answer booklet for the answer you have chosen.

SAMPLE

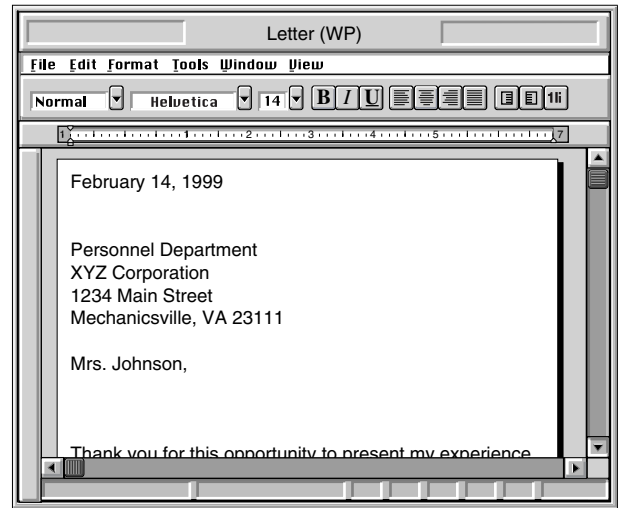
Which word processing tool is used to find and correct spelling errors?

- A Thesaurus
- B Spell Check
- C Word Count
- D Style Gallery

1 Which of the following is the *best* way to include information from a database record in a word processing document?

- A Cut and Delete
- B Open and Resize
- C Copy and Paste
- D Add a Bookmark

2



Which menu bar heading would be *most* useful in starting a new document?

- F File
- G Edit
- H View
- J Format

3 Which one of the following symbols *best* indicates the beginning of a formula in a spreadsheet cell?

- A %
- B /
- C *
- D =

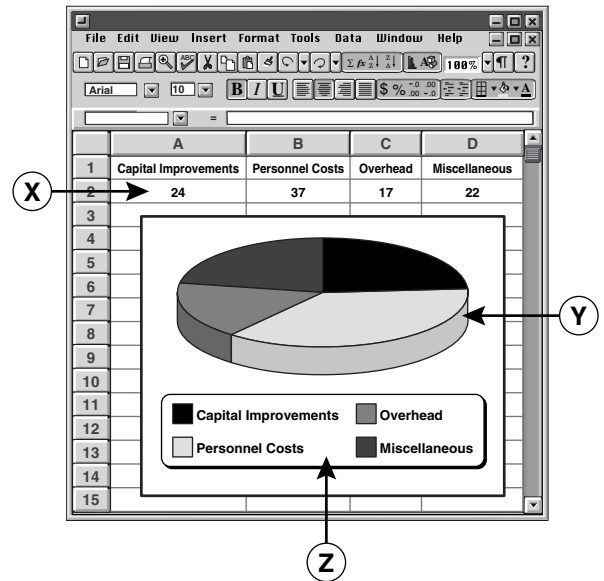
4 The *best* way for Fatimah to include a map in her book report would be to insert a —

- F graphic
- G table
- H spreadsheet
- J database

5 Matthew wants to indent the first sentence of a paragraph. Which option should he choose?

- A Tab
- B Shift
- C Right Arrow
- D Enter

6



The area labeled “Z” is *best* described as the —

- F spreadsheet
- G dialog box
- H legend
- J chart title

7 In a database, arranging a group of records in a particular order is called —

- A formatting
- B resizing
- C sorting
- D applying

8

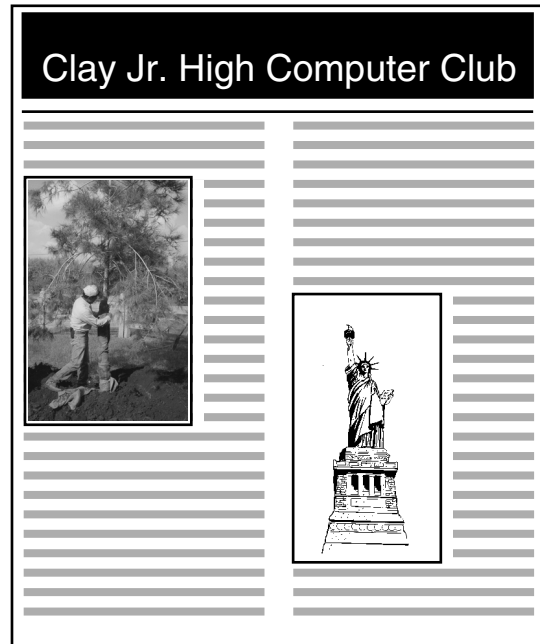
Wildflower identification : Table					
	Common Name	Leaf Type	Flower Type	Flower Color	Location Found
	Black-eyed Susan	Toothed	Rayed Petals	Yellow	In front of school
	Indian Blanket	Smooth	Rayed Petals	Yellow/Orange	Next to gym
	Evening Primrose	Narrow	Broad Petals	Pink	Past the football field
	Queen Anne's Lace	Narrow	Cluster	White	Drainage canal by parking lot
	Crimson Clover	Oval	Cylindrical	Red	Next to soccer field

Record 1 2 3 4 5 6 7 8 9 10 of 5

If Elizabeth wanted to find out how many flowers were yellow, she would need to do a search by the field called —

- F Common Name
- G Leaf Type
- H Flower Type
- J Flower Color

9



Kenté and Jamala have created a newsletter. Their layout shown above utilizes —

- A footers
- B multiple columns
- C outline
- D index

10 Mike wants to double space his paper. The *best* way to do this is to —

- F delete a few paragraphs
- G change the font
- H change the line spacing
- J justify the document

11

	A	B	C	D	E	F
1	Student Name	Test 1	Test 2	Test 3	Test 4	Test Average
2	Allunes, Delores	82	90	87	88	
3	Bennet, Rufus	80	77	81	83	
4	Chasman, Anthony	87	92	89	84	
5	Dunlop, Rachael	72	77	81	85	

The formula that would *best* calculate Delores Allunes' test average is —

- A $= (B2 + B3 + B4 + B5) / 4$
- B $= B2 * 4$
- C $= B2 - C3 - D4 - E5$
- D $= (B2 + C2 + D2 + E2) / 4$

12

	A	B	C	D
1	Fundraising Event	Money Raised	Club Expenses	Profit
2	Spring Walk-a-thon	\$121.35	\$22.50	\$98.85
3	50-mile Bike-a-thon	\$110.25	\$25.00	\$85.25
4	Book Sale	\$85.00	\$7.50	\$77.50
5	Computer Tutoring	\$110.00	\$10.50	\$99.50
6	Total	\$426.60	\$65.50	
7				

Sofia created a spreadsheet to track the money the Binary Club raised this year. Which cell displays the *total* Club Expenses?

- F 6C
- G C6
- H 6A
- J A6

13 In order to add all the numbers in a column on a spreadsheet, the *best* function to use would be —

- A MIN
- B SUM
- C MAX
- D AVG

14 Darlene needs to find a word that means the same thing as “important.” The *best* tool for her to use when searching for a synonym is a —

- F spell checker
- G grammar checker
- H online encyclopedia
- J thesaurus

15 Which of the following will *not* allow a user to easily combine text and graphics to produce brochures, newsletters, or signs?

- A Word processing program
- B Database program
- C Desktop publishing program
- D Graphics program

16

Year	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Total
1997/98	55	100	45	136	110	98	544
1998/99	34	143	93	138	68	93	569
1999/00							
Total							

The picture above shows a —

- F spreadsheet copied into a word processing document
- G database inserted into a spreadsheet document
- H spreadsheet opened in a graphics program
- J word processing document opened as a spreadsheet

17

	Pet Name	Owner Name	Pet Type	Gender	Color	Last Visit
<input checked="" type="checkbox"/> 1	Sparky	Alberts	Dog	Male	Black	4/5/88
<input checked="" type="checkbox"/> 2	Daisy	Davis	Cat	Female	White	5/12/96
<input checked="" type="checkbox"/> 3	Fluffy	Williams	Cat	Female	White	12/15/96
<input checked="" type="checkbox"/> 4	Laddie	Harrison	Dog	Male	Red	8/24/97
<input checked="" type="checkbox"/> 5	Buffer	Brill	Dog	Male	Black	6/6/98
<input checked="" type="checkbox"/> 6	Spots	Lee	Dog	Female	White/E	11/16/94
<input checked="" type="checkbox"/> 7	Ted	Whitman	Cat	Male	Grey	9/2/97
<input checked="" type="checkbox"/> 8						
<input checked="" type="checkbox"/> 9						
<input checked="" type="checkbox"/> 10						

If Molly sorted the database by owner name and in *descending* order, which record would be first?

- A Alberts
- B Brill
- C Whitman
- D Williams

18 After entering information into a database, Judy decided she wanted to include another category: Favorite Color. How is this done?

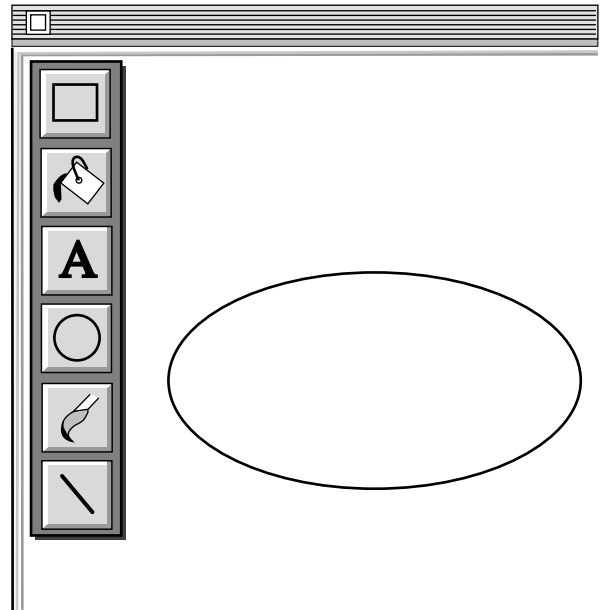
- F Insert Row
- G Insert Field
- H Insert Record
- J Insert Column

Collette had a dentist appointment on Monday afternoon. She left 30 minutes before her appointment, so she would get ~~their~~ on time.

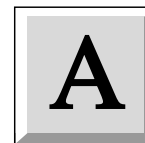
there

Even though Marissa used the spell checker tool on her short story, her teacher found a misspelled word. How did this happen?

- A The teacher was using a printed dictionary.
- B The word was misspelled in the context of that sentence.
- C Her spell checker tool has a virus.
- D The dictionary her spell checker program uses is outdated.



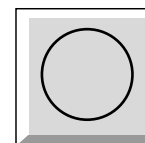
Which tool button is the *best* choice to apply text within the shape?



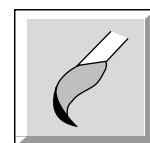
F



H



G



J

- 21 George has created a weather graph to go with a column he writes for the school newspaper. When he updates the data, the graph is automatically updated. This kind of connection between applications is called —**

- A linking
- B joining
- C labeling
- D formatting

22 The Zoom command —

- F** refreshes the screen at a faster rate
- G** prints out a quick view of the document
- H** changes the view size of the document
- J** changes the color of the font

23

A screenshot of a web browser window displaying a form titled "Animals". The form contains the following fields and values: "Pet Name: Sparky", "Owner Name: Alberts", "Pet Type: Dog", "Gender: Male", "Color: Black", and "Last Visit: 4/5/88". The browser's status bar at the bottom shows "Zoom 100%" and navigation buttons.

Pet Name, Owner Name, and Color are all examples of —

- A** field names
- B** records
- C** lists
- D** headers

24 Leo scanned a picture from a magazine. He decided he only wanted to print part of the picture. Leo's *best* strategy is to —

- F** use the Crop tool to edit out unwanted parts of the picture
- G** use the Rotate tool to edit out unwanted parts of the picture
- H** use the Highlight tool to highlight the part of the picture to print
- J** use the Zoom tool to select the part of the picture he wants to print

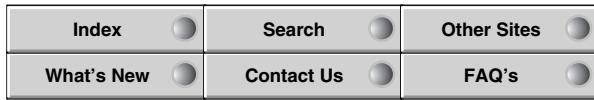
25 WWW stands for —

- A** World Wide World
- B** Wild World Wait
- C** World Wide Web
- D** West World Watch

26 When a file is saved, the information may be stored on a —

- F** monitor
- G** drive
- H** mouse
- J** keyboard

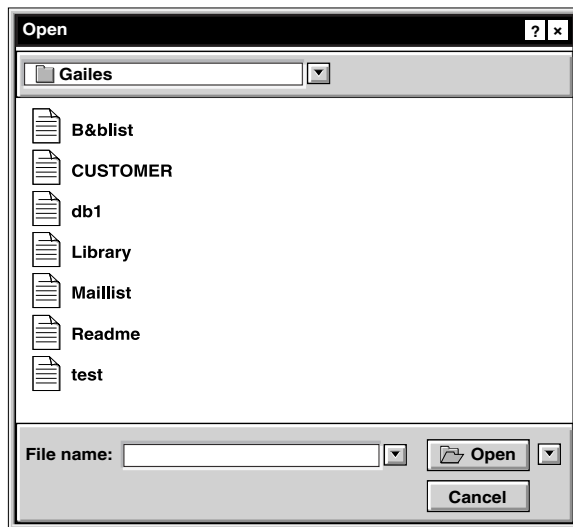
27



What do these buttons help a website visitor do?

- A Change browser options
- B Launch application software
- C Link to relevant information
- D Copy all information on the website

28



In what folder are these files listed?

- F File name
- G Open
- H Gailes
- J Web Folders

29 The connecting of computers together to share resources is called —

- A outsourcing
- B networking
- C dual platform
- D browsing

30 Patrick is unable to complete the database he has started in one session. What should he do?

- F Leave the document open until he can return to complete the task.
- G Exit the program and create the database later on.
- H Create two separate documents, print them, and paste them together.
- J Name and save his database so he can reopen the document later.

31 Helen wants to search for information specifically on heart disease in an electronic database. To narrow her search she needs to enter —

- A heart
- B heart not disease
- C heart or disease
- D heart and disease

32 Jana found a website with lots of information on famous painters. If she wants to use some of the information in her report, she *must* —

- F look for another website
- G upload information she has found from different sources
- H cite the webpage as a reference in her report
- J re-format her report

33 Jordan's group was studying important events of the 1960's. Which feature of an electronic encyclopedia would help determine the date when the Vietnam War began?

- A Tour
- B Multimedia
- C Database
- D Timeline

34 Bev entered "Mars" into an Internet search engine. She came up with over 50,000 hits. Which of the following words could be added to this search to make it *more* specific?

- F Outer space
- G Planet
- H Star
- J Earth

35 Which of the following is an accurate statement about the Internet?

- A All websites contain authoritative information.
- B Only major search engines can be trusted.
- C The Boolean operators AND or NOT cannot be used.
- D Searches are not case sensitive unless placed in quotations.

File Edit View Insert Format Tools Table Window Help					
Addresses : Table					
	Last Name	First Name	Gender	Age	Favorite Video Game
1	Jones	Mike	M	9	Velox
2	Smith	Mary	F	9	Freez
3	Martinez	Alex	M	10	Act
4	Wilson	Melissa	F	10	Velox
5					
6					
7					
Record: 2 of 8					

Which two fields would Lisa search to find classmates who are 10 years old and whose favorite video game is Velox?

- F Last Name and First Name
- G Last Name and Age
- H Age and First Name
- J Age and Favorite Video Game

37 Mr. Simpson's science class is studying endangered species. The assignment is to find the names of two species that are currently on the list. What would be the *most* effective electronic tool to use?

- A A dictionary
- B A word processor
- C A search engine
- D A library catalog

38 Jesse is writing a paper entitled: "Computer Software and its Effect on the Music Recording Industry." Using an electronic encyclopedia, which keywords would give him the *best* results?

- F computer software, music industry
- G computer, music recording
- H computer software, effect
- J software, recording

39 While reading her favorite magazine's homepage, Julianne notices that some words are underlined and highlighted. If she clicks on the underlined and highlighted words, she will —

- A exit the program
- B bookmark the page
- C move backward one page
- D link to related information

Stars (DB)					
	Name	Magnitude	Distance (in light years)	Color	Constellation
	Sirius	-1.5	8.7	blue-white	Canis Major
	Arcturus	-0.06	36.0	orange	Boötes
	Vega	0.0	27.0	blue-white	Lyra
	Capella	0.1	45.0	yellow-white	Auriga
	Rigel	0.1	900.0	blue-white	Orion
	Deneb	1.4	145.0	white	Cygnus
Record: 1 20 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100					

Andrea is using a database on stars to do research. If she wants to find just the stars that are more than 40 light years away, what field and data should she search?

- F** Name = 40
- G** Magnitude > 40
- H** Distance > 40
- J** Constellation = 40

Answer Key

Test Sequence	Correct Answer	Reporting Category	Reporting Category Description
1	C	020	Understanding of Application Software
2	F	020	Understanding of Application Software
3	D	020	Understanding of Application Software
4	F	020	Understanding of Application Software
5	A	020	Understanding of Application Software
6	H	020	Understanding of Application Software
7	C	020	Understanding of Application Software
8	J	020	Understanding of Application Software
9	B	020	Understanding of Application Software
10	H	020	Understanding of Application Software
11	D	020	Understanding of Application Software
12	G	020	Understanding of Application Software
13	B	020	Understanding of Application Software
14	J	020	Understanding of Application Software
15	B	020	Understanding of Application Software
16	F	020	Understanding of Application Software
17	D	020	Understanding of Application Software
18	G	020	Understanding of Application Software
19	B	020	Understanding of Application Software
20	F	020	Understanding of Application Software
21	A	020	Understanding of Application Software
22	H	020	Understanding of Application Software
23	A	020	Understanding of Application Software
24	F	020	Understanding of Application Software
25	C	021	Understanding of Electronic Communications
26	G	021	Understanding of Electronic Communications
27	C	021	Understanding of Electronic Communications
28	H	021	Understanding of Electronic Communications
29	B	021	Understanding of Electronic Communications
30	J	021	Understanding of Electronic Communications
31	D	022	Ability to Access, Retrieve, and Analyze Information
32	H	022	Ability to Access, Retrieve, and Analyze Information
33	D	022	Ability to Access, Retrieve, and Analyze Information
34	G	022	Ability to Access, Retrieve, and Analyze Information
35	D	022	Ability to Access, Retrieve, and Analyze Information
36	J	022	Ability to Access, Retrieve, and Analyze Information
37	C	022	Ability to Access, Retrieve, and Analyze Information
38	F	022	Ability to Access, Retrieve, and Analyze Information
39	D	022	Ability to Access, Retrieve, and Analyze Information
40	H	022	Ability to Access, Retrieve, and Analyze Information